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TITLE: METHOD FOR MOLDING GREEN
COMPACT
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INTER METALLICS KK	N/A

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ABSTRACT:

PURPOSE: To produce green compacts uniform in shape, size and density with high productivity by filling a specified amt. of a granulated magnetic metal in a rubber mold and compressing the metal while impressing a pulse magnetic field.

CONSTITUTION: A rubber 1 is filled into a recess 4 formed by the lower punch 3 inserted into a cylindrical die 2, and a specified amt. of an easy-flow granulated material is filled in the recess space 1', compressed by an appropriate method and densified. A coil 20 above the mold 1 and a supporting plate 11 provided with an upper punch 10 are then lowered, a lid 21 fixed to the lower surface of the upper punch 10 is put into the mold 1, a plunger 12 is further lowered to compress the mold 1 in the recess 4 and consequently to compress the granulated material. In this case, the coil 20 is impressed with a pulsed magnetic field to disintegrate the granulated material and to orient it in the magnetic field direction, and then the material is pressed and compressed by the upper punch 10 and lower punch 3 to produce an anisotropic green compact with high productivity.

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